D. De ROTHSCHILD...Del engaño de Waterloo ¡al engaño del calentamiento global!

Lo que ignoras sobre las fumigaciones I

Acabando con la "conspiración". Calentamiento global y Chemtrails (Geoingeniería climática)

## Ley de aguas de España

do, con las salvedades expresamente establecidas en esta

- a) Las aguas continentales, tanto las superficiales como las subterráneas renovables con independencia del tiempo de renovación.
- b) Los cauces de corrientes naturales, continuas o discontinuas.
- c) Los lechos de los lagos y lagunas y los de los embalses superficiales en cauces públicos.
- d) Los acuíferos subterráneos, a los efectos de los actos de disposición o de afección de los recursos hidráulicos.
- e) Las aguas procedentes de la desalación de agua de mar una vez que, fuera de la planta de producción, se incorporen a cualquiera de los elementos señalados en los apartados anteriores.

## Artículo 3. Modificación de la fase atmosférica.

La fase atmosférica del ciclo hidrológico sólo podrá ser modificada artificialmente por la Administración del Estado, o por aquellos a quienes ésta autorice.

# CAPÍTULO II De los cauces, riberas y márgenes

# Artículo 4. Definición de cauce.

Álveo o cauce natural de una corriente continua o discontinua es el terreno cubierto por las aguas en las máximas crecidas ordinarias.

# Artículo 5. Cauces de dominio privado.

- 1. Son de dominio privado los cauces por los que ocasionalmente discurran aguas pluviales en tanto atraviesen, desde su origen, únicamente fincas de dominio particular.
- 2. El dominio privado de estos cauces no autoriza para hacer en ellos labores ni construir obras que puedan para hacer en ellos labores ni construir obras que puedan la construir de las aguas o alterar su cali-

## Cabe destacar el artículo 3 de la ley de aguas de España

## http://noticias.juridicas.com/base\_datos/Admin/rdleg1-2001.html

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## http://noticias.juridicas.com/base\_datos/Admin/rdleg1-2001.html

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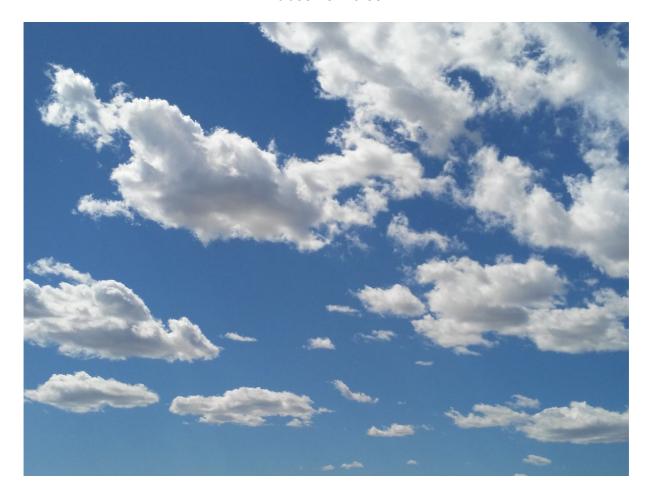
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nubes normales





cielo después de la geoingeniería







Normalizando la geoingeniería:

La ONU admite como nueva nube las estelas de condensación de los aviones

Científicos de EE.UU. rociarán los cielos con partículas reflectantes para enfriar el planeta

# Jets changing climate — for good or ill?

From GRAHAM STEWART, in Chicago

THE CROWDED skies around Chicago are causing cloudy skies and changing the climate along flight paths into the world's busiest airport.

Aircraft criss-crossing the American midwest are leaving vapour trails that eventually form wispy cirrus clouds, according to a study by Illinois climatologists.

These man-made clouds apparently cause cooler days and more rain.

The vapour trails stream out of the jet engines of aircraft flying at high altitudes, usually above 6,000 metres. They form when condensed moisture from the jet exhausts hits the cold air and freezes into ice crystals.

The weather study showed that a 10 per cent increase in cloudiness in parts of Illinois, Iowa, Missouri, Indiaa and Ohio had coincided with the rapid growth of commercial aviation since the 1960s.

The affected areas were under the main east-west and north-south air corridors across the central US.

The hub of this traffic is Chicago's O'Hare Airport, which at peak times has an aircraft landing or taking off every 30 seconds. Last year O'Hare handled 724,155 flights and 43.6 million passengers — more than any other airport in the world.

"We know the jets make clouds, and we believe they are the major cause of the increased cloudiness in these flight pathways", said Dr Stanley Changnon, head of atmospheric sciences at the Illinois Water Survey Department, which is conducting the study.

"When you plot the cloud corridor, you find it follows the same path as the jet air traffic", he said.

The same thing was probably happening along busy flight paths in Europe.

The vapour trails, called contrails by the climatologists, don't take long to spread out across the sky. They expand to a width of three kilometres in one hour, and to 32 kilometres in two hours.

Observing one much-travelled air lane into Chicago that carries about 700 flights a day, Dr Changnon noted, "You can start off with a clear day in the morning and by evening the sky will be covered by a cloud shield from jet contrails".

He estimates some 2,000 commercial aircraft fly over Illinois every day, more than half going to or from O'Hare.

"Illinois is definitely getting cooler, cloudier and rainier", he said. "While neighbouring States outside the flight paths are not".

Dr Changnon believes that a full scientific study is necessary to assess the impact of the man-made clouds, and to discover whether the results are desirable or not.

Because the artificial cloud cover restricts the amount of sunshine, it makes days cooler in summer and autumn, when jet contrails are most prevalent.

At the same time it moderates extremes in temperature. While days tend to be cooler, nights are slightly warmer because the cloud blanket keeps in more of the heat escaping.

Dr Changnon says the increased cloudiness should be a boon to farmers because it reduces evaporation, enabling them to conserve water, and because the contrails apparently produce more rainfall.

In addition, more moderate temperatures mean more favourable growing conditions for crops.

Dr Changnon says ice crystals in the contrails often "seed" heavier cumulus clouds as they drift down, and so cause rain.

The vapour trails also can help weather forecasters. They give early warning of an advancing low-pressure system, according to Dr Changnon.

"You can see them forming hours before natural clouds appear", he explained. "They need moisture in the air. You don't get contrails if the air is dry".

At present Dr Changnon and his staff of four are concentrating on collecting data and assembling photographs of the cloud cover as it develops.

"What is clear, is that man really can alter the climate, accidentally or otherwise", he said.

- Reuter, through AAP.

# Europe alive with nuclear protesters

Waltons

in fact, withdrawn.

Four years ago, however, it was the same
Helmut Schmidt, now Chancellor, who first
sounded the alarm about new Soviet medium-

2nd Big Week!

ON EARTH

# Jets' vapour trails: altering the climate over Chicago? Jets' vapour trails: altering the climate over Chicago? Jets changing climate for the enemy's muclear of for the enemy's muclear of first enemy first — for good or ill?

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Canon **VALUE PRICE SLR OUTFIT** Canon AV-1 camera with 35-70mm zoom lens, flash and bonus sports bag step right up." to Cason AV-1. Representing exception 13 Re-caneras, and offering aperture control and the step of th

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Flexar quality provides hardy storage for all those old slides. Protect your memories with a Flexar slide box.

AT ONLY

MINI POSTERS

Waltons



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Some of the finest examples of international graphic art and antique Persian carpets ever seen in Australia.

The Rubaiyat Gallery is currently exhibiting aphic Masterpieces and Antique Persian Included amongst the illustrations available thase are works by Picasso, Moore, Calder,

Rubázyát gallery

**Complete sound outfit** 

Durante la década de 1970 los medios de comunicación promovieron el alarmismo debido a un "enfriamiento global" advirtiendo de que venía una nueva edad de hielo. Los fenómenos meteorológicos extremos se promocionaron como signos de la llegada de esta supuesta nueva era de hielo y la contaminación de origen humano se atribuyó como la causa.

## The Coming Ice Age - 1978

The prospect is literally chilling. The ultimate in climate control — 20 degrees cooler not only inside but outdoors as well.

And if by now we are accustomed, if not inured, to the physical threat of pollution, along comes a warning there may also be dire political consequences.

Dr. Arnold Reitze, an expert in the legal aspects from Cleveland's Case Western Reserve University, suggests pollution, or the effort to control it, could be fatal to our concept of a free society.

As likely inevitable restraints on the individual and mass, Reitze suggests:

- Outlawing the internal combustion engine for vehicles and outlawing or strick controls over all forms of combustion.
- Rigid controls on the marketing of new products, which will be required to prove a minimum pollution potential.
- Controls on all research and development, to be halted at the slightest prospect of additional pollution.
- Possibly even population controls, the number of children per family prescribed and punishment for exceeding the limit.

In Reitze's view, "We will be forced to sacrifice democracy by the laws that will protect us from further pollution."

The Argus-Press - January 26, 1970

"Seremos forzados a sacrificar la democracia por las leyes que nos protegerán de la contaminación"

# **EDITORIAL**

## **Pollution Prospect** A Chilling One

For a long time now man has been try-ing to do something more than talk about the weather. Ironically and unfortunately, he may already have done far more than he imagines, or desires.

In fact, should a new Ice Age descend upon the earth in the centuries immediately ahead, man – or at least those as yet unasphyxiated survivors from his present billions – may have to acknowledge that he brought it on himself.

brought it on himself.

That, at least, would seem to be the moral of the latest horror story from the pollution front. Since the advent of the Industrial Revolution, debris from manufacturing processes has been accumulating in the atmosphere to such an extent that the earth is now enveloped in a layer of dust which has the effect of reflecting back into space a portion of the energy radiated by the sun.

the sun.

The result has been a measurable lowering of average temperatures, not merely in industrial areas but worldwide. So far it is only in fractions of a degree. But even minor temperature changes, if prolonged and widespread, can have startling effects on climate and, consequently, on plant and animal development and survival. It would not take many degrees to trigger renewed expansion of the polar ice masses.

The prospect is literally chilling. The

The prospect is literally chilling. The ultimate in climate control — 20 degrees cooler not only inside but outdoors as well.

And if by now we are accustomed, if not inured, to the physical threat of pollution, along comes a warning there may also be dire political consequences.

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Rigid controls on the marketing of new products, which will be required to prove a minimum pollution potential.

• Controls on all research and development, to be halted at the slightest prospect of additional pollution.

Possibly even population controls, the number of children per family prescribed and punishment for exceeding the limit.

In Reitze's view, "We will be forced to sacrifice democracy by the laws that will protect us from further pollution."

All is not despair and disaster, however. President Nixon's decision to make environ-mental cleanup a major administration ef-fort and, even more importantly, continu-ing and growing public agitation are hope-ful indications that all is not necessarily already lost.

ready lost.

Fortunately, man has the capacity, if often imperfectly exercised, to learn. He can say that he did not know the consequences back when he began to transform, and devastate, the environment for his own often questionable purposes. He does know now, and the measures to correct the damage are either already at hand or largely within his graso.

It is up to him to make a little know-ledge not a dangerous thing, but his salva-tion from a deep-frozen future and a smog-gy version of 1984.



in it wonderful—now, some people can buy income tax and just charge it!"

You Mean She Really Is Comin' Round the Mountain?



# Neutral U.S. May Defer Soviet-China Showdown

NEA Foreign News Analyst

UNITED NATIONS, N.Y. (NEA)
As relations between Russia and Red China continue to deteriorate, the rival Communist leaders are beginning to edge in the direction of capitalist America.

The Russians have long been hinting that in a war with China they would have the backing of the United States. They even exploited the secret talks with the Nixon administration of the China they would have the backing of the United States, they even exploited the secret talks with the Nixon administration of the China the China the States and the China the China the States that S

will not become Russia's ally against China or China's ally against Russia.

That this is a realistic policy is now conceded even by Russia-oriented diplomats in the State Department. They are also increasingly worried that the Russians' obsess on with Mao Tse-tung may prompt them to intuite military moves against China that could imperil world peace.

According to Western intelligence, Moscow's China experts and generals are convinced that Russia's relations with Pcking can only grow worse. In their wew, even the with Pcking can only grow worse. In their wew, even the with Pcking can only grow worse. In their wew, even the with Pcking can only grow worse. In their week, even the with Pcking can only grow worse. In their week, even the with Pcking can only grow worse. In their week, even the with Pcking can only grow worse. In their week, even the with Pcking can only grow worse. In their week, even the with Pcking can only grow worse. In their week even the Chinese, seem to believe that war with Russia is anyone's guess.

But there is no doubt that Nixon's affirmation of American neutrality and his moves to resume diplomat. Chou is reported too.

The Chinese, who could lose half their population and yet China experts who could lose half their population and yet China experts who could lose half their population and yet China experts who could lose half their population and yet China experts who could lose half their population and yet China experts who could lose half their population and yet China experts who could lose half their population and yet China experts who could lose half their population and yet china experts who could lose half there was awar it would not reflex the Chinase, who could lose half there was awar it would not reflex the Chinase, who could lose half there was awar it would not reflex the Chinase who could lose half there was awar it would not reflex the Chinase, who could lose half the Chinase who call the Chinase semi could lose with comments who can be a supported to the Chinase sem

puppets like Wang Ming, once a top Chinese Communist who has lived in Moscow for many years.

When France's Foreign Minister Maurice Schumann recently visited Russia he was startled by the Kremlin's highly undiplomatic request for setting up of a French-Russian "information pool" on Red China.

On Red China.

The March of the Western Business and the Chinese delimin to intercede with other. Western incloses to join the organization designed to spread anti-Peking propaganda.

The Kremlin leaders insisted in their conversations with Schumann that Mao was "another Hitler" and that they expected the Chinese to attack Russia. Even the time was given—the first half of 1970.

The state of the aggression they are about to commit themselves, the inescapable conclusion is that the Red army must be considering a preemptive strike—possibly at the Chinese nuclear testing ground in Sinking.

This is obviously the fear of Peking's leaders who are time to the strike of the aggression they are along war, including intensified training of guerrilla units.

The Chinese do not expect a quick or easy Soviet victory despite Russia's overwhelming nuclear superiority. They have often been quoted as stating that half of their population of more than 700 million would survive a nuclear war. This was stressed again by Frenier Chou Enalia in a have said:

"If there was a war it would not matter all that much to the Chinese, who could lose half their population and yet

# Methadone Helps D.C. Addicts Kick Habit

By MARY ELLEN RIDDLE
NEA Staff Correspondent
WASHINGTON - INEA1
—The nation's capital is trying to get the monkey off it's
back.
District Columbia office
the immates of local jains are
arrested for drug-related
crimes and most of those
have been arrested before.
The real offender in these
cases is heroin, a highly and
to shad the staff of the cases of the drug.
A heroin habit is expensive. The average addict's
daily fix costs between \$50
as much as \$100 worth of
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heroin to dissolve the tenston and physical pain
of withdrawal into a euphorte
high.

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of withdrawal into a euphort
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the connections. But addicts
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which fix along with the distance of the drug and and add and the high can't
function normally
in a foundation and with his family.

Methadone is also an addiction did not the dead on an a

The District of Columbia is trying to break the cycle. Beginning this month the Department of Health and the State of crange juice spiked with the synthetic drug, methadone, which is chemically the same as morphine.

"Methadone blocks out twindrawal symptoms," said Arthur Kiracofe, a public health official, and it is administered in such large doses that, even if an addict does take heroin, he gets no high from it. Kiracofe said the methadone liself does not produce a high and an addict despite the design of t



Q-My I-month-old son was born prematurely and has a heart disease-truncus arteriosus. What is this? What can be done for it?

What can be done for it?

A—What your son most likely has is a patent ductus arteriosus, a congenital defect in which a fetal blood wessel connecting the main artery to his lungs with the aorta failed to close. Since serious complications are common surgical correction is advisable.

Q-Our grandson is 15 months old, weighs only 15 pounds and is three inches shorter than the average boy his age. He doesn't walk yet but is very active. Is there any way to stimulate his growth?

A—A child's growth in his early years is subject to many variables. If a thorough medical examination reveals no signs of maintrition or glandular disease, he will catch up later unless both of his parents are very short.

Q-I am a girl, 13. I have heard that a mixture of iodine and milk will help me to grow. How much iodine and how much milk should I use?

A—This bit of folklore has been disproved along with various other superstitions. Drink the milk — at least a pint a day—and save the iodine to put on cuts. Even for that purpose there are now better preparations.

A—This child is probably high-strung or has an exag-gerated feeling of insecurity. If more rest and a calmer way of life don't help her

Not All Heart Defects
Require an Operation

By WAYNE G. BRANDSTADT, M.D.

G.—Our daughter, 8, was pound to have a heart merfound to have a heart mermay outgrow this. She has never had any signs of heart disease. What could cause this? Is it serious?

A—If your daughter has a functional murrour too or provide the provided in the

10 YEARS AGO
BYRON — Jim Munoz and
Janice Frutchey were crowned
king and queen Saturday night
at the annual Senior Snow Ball
attended by 80 couples in the
high school gymnasium.

high school gymnasium.

ELSIE — Miss Gayle Peters and Torm Bradley will be among a group of Symth delegates from Michodost charches to a stend a United Nations-Washington Semmar Feb. 4-13.

Ownsos today was experiencing more of that unpredictable hours the mercury dropped 32 degrees, from a balmy 65 last might to 32 degrees this morning.

DURAND — The sports ban-quet at the Durand High School last night was a tremendous success as a crowd of 340 gath-ered to listen to guest speaker Van Patrick and other sports notables.

Mrs. Esther H. Harvey, returned missionary from India, will speak at the Gospel Mission, 814 West Main street, Sunday atternoon, 49 YEARS AGO

The Citago Service visition at West Main and Shawassee streets, Monday, The station will give day and night service.

will give day and night service.

Property owners of Wosso
Friday paid into the city treasury more money in taxes than
has been been paid in one day,
the service of the control of the control
has morning by City Treasurer
Wayne Taylor. The amount was
\$100,108 74 EABS AGO

WASHINATION — Intral mail
carriers are regining at the
rate of 50 a day, W. S. Brown,
representing the National Mail
Carriers' Association, told the
Senate postal committee today.
He added that the service faced
are considered that the service faced
annical first was selected the
employes soon.

# Nixon Relentless in Aim To Cut Defense Spending

NEA Washington Correspondent

WASHINGTON (NEA) federal budget will not satisfy those critics who are demanding sharkes up to \$1 billion. But it will be substantial, and it could approach half that figure.

Though you would never know it from listening to some people, the Nixon administration has been on a downward defense spending course almost from the outset.

According to a comprehensive military budget report in the weekly National Journal, former President Johnson's adjusted proposal for decless spending in the current 13th Issel year was \$77.7 billion. President Nixon's April 15 revisions of the budget pared this figure by \$2.5 billion to \$75.2 billion.

to \$75.2 billion.

On Aug. 21, Defense Secretary Laird announced that additional cuts of \$3 billion would be made in the current year. He indicated half of this sum would be saved through base closings, personnel cutbacks, retirement of ships and reduced military flight training.

Laird's most recent statement forecasting a loss of 1,250 000 military and military-connected civilian jobs from mid-1961 to mid-1971 is a clear sign that the burst mitends to keep resolutely on the downwards. Green the presumes more big troop withdrawais from Vietnam. The need to curb still-spiraling inflation is the dominant driving force at work. Despite Laird's presumed hawkish-

ness, this battlewise politician's conservative instincts in the domestic arean realty do put him in league with the the state of the property of the property

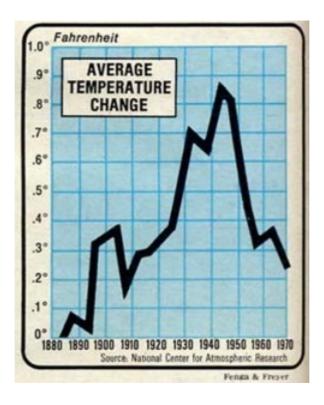
Whatever the power of this compulsion within the administration, one can nevertheless find judicious skeptics who think there may be, in the years just ahead, major new military spending to offset cutbacks presently foreseen in Vietnam and elsewhere.

Former Budget Director Charles Schultze, writing in the magazine, "The Public Interest," contends that by fiscal 1974, non-Vietnam military spending will have soared nearly \$20 billion above the levels of fiscal 1969.

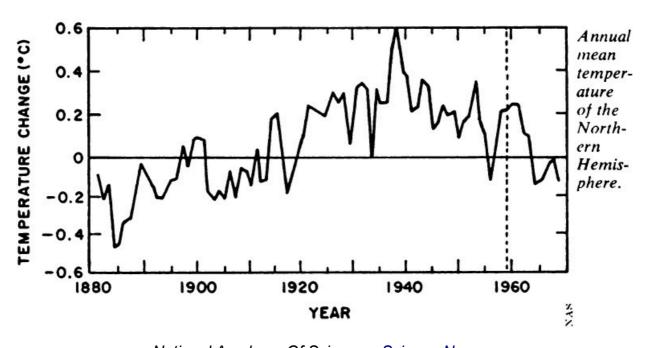
He sees this rise coming from already authorized or predictable boosts in pay for military personnel and De-lense Department civinian employes, cost escalation from inflation, and the future spending consequences of developing weapons systems like AllM, the new Posedom missales for Polaris nuclear submarines, a proposed new continental air-defense system and so on. In Schultze's judgment, these almost certain added out-lays will closely balance any projected savings from the Vietnam war, even assuming a virtual close-out of our role there. His estimate of our Vietnam spending at around \$17 bilion to \$20 billion annually is lower than some cal-culations.

Schultze makes the point that Vietnam war costs tend to be inflated by those who assign to the war all charges affecting fleet task forces in the Gulf of Tonkin and Sezb bombing missions. If the war ended, regular naval and air units still would be costing money.

There seems no reason to doubt that the President is trying to put a squeeze on defense spending. Yet the prospect of long-range success may not be too bright.



NCAR <u>newsweek\_coolingworld.pdf</u>



National Academy Of Sciences Science News

# The New Hork Times

SATURDAY, JULY 18, 1970

# U.S. and Soviet Press Studies of a Colder Arctic

# By WALTER SULLIVAN

The United States and the Soviet Union are mounting large-scale investigations to determine why the Arctic climate is becoming more frigid, why parts of the Arctic sea ice have recently become ominously thicker and whether the extent of that ice cover contributes to the onset of ice ages.

TimesMachine: July 18, 1970 – NYTimes.com

"Los Estados Unidos y la URSS impulsan estudios sobre un Ártico más frío"

"Los Estados Unidos y la Unión Soviética están organizando investigaciones a gran escala para determinar porqué el clima del Ártico se está volviendo más frío, porqué partes del hielo del <u>océano Ártico</u> se han vuelto recientemente más <u>ominosamente</u> voluminosas y <u>sin importar si</u> la extensión de esa capa de hielo contribuye al <u>comienzo</u> de las edades de hielo.

Por aquél entonces cada gran organización encargada de estudiar el clima defendía la teoría de que una nueva era glacial se acercaba.

# There's a new Ice Age coming!

NORWICH, England (AP) — A new Ice Age is creeping over the Northern Hemisphere, and the rest of this century will grow colder and colder, a British expert on climate says.

Prof. Hubert Lamb, director of climate research at the University of East Anglia, had a few comforting thoughts in an interview Sunday:

"The full impact of the new Ice Age will not be upon us for another 10.000 years and even then it will not be as severe as the last great glacial period.

"We are past the best of the inter-glacial period which happened between 7.000 and 3,000 years ago," he continued.

"Ever since then we have been on a downhill float regarding temperature. There may be a few upward fluctuations from time to time but these are more than offset by the general downward trend."

Lamb said temperatures have been slowly dipping for the last 20 years.

"We are on a definite downhill course for the next two centuries." he said. "The last 20 years of this century will be progressively colder. After that the climate may warm up again but only for a short period of decades."

Lamb said climate changes come in cycles determined by astronomical and physical factors. He said one main cause is the amount of radiation received from the sun.

"We know that the behavior of the sun changes at intervals and these changes have their effect," he said. "The distance between the earth and the sun also varies through the ages as the earth's orbit increases or decreases its elliptical path.

"The tilting of the earth as it rotates around its own axis

also makes the polar ice cap grow, and this affects the air masses around it."  $\,$ 

The last great ice age took place about 60,000 years ago and was the sixth in a period of about one million years. The great ice sheets covered most of the British Isles and North America. The ice was at least 5,000 feet thick.

"I don't think it will be quite as serious this time." Lamb said. "But there will be a lot of glaciers on high ground which do not exist at present."

# India raked by cyclone

NEW DELHI (AP)—A cyclonic storm accompanied by torrential rains slashed through four coastal districts of Orifsa State in eastern India Sunday, leaving a trail of death and destruction, official reports reaching here said.

The number of casualties and the extend of the damage was not yet known, officials said. The storm had been predicted and defensive measures were taken.

Last year a storm killed about 5.000 people in the same four districts — Balaore, Cuttack, Puri and Ganjam.

Telecommunications and the water and power supply system in Bhubaneswar district were disrupted, the official reports said.

An official spokesman said about 3,000 people living in huts along the coast were evacuated before the high waves hit the coastline.

The Windsor Star - September 11, 1972

Windsor Monday September 11 1972

# East-West snarl over air routes

By NICK HILLS — SNS

VANCOUVER—Two new, prestigious air routes to China an southern Europe have become the centre of another nasty, political struggle between Western Canada and the "power factories" of the east.

political struggle between Western Canada and the "power actories" of the east.

Canadian Pacific Airlines, based in Vancouver and considered by westerners to be their airline, believes it is both logic and policy that Ottawa give it both routes—but Air Canada, backed by certain French-Canadian eablent ministers has other ideas.

The new routes are from Vancouver to Shanghai or Montreal-Peking, and from Toronto and Montreal to Milan. Until 1914 and 1914 for the New York and the Toronto and Montreal to Milan. Until 1914 and 1914 for Toronto and Montreal to Milan. Until 1914 and 1914 for Toronto and Montreal to Milan. Until 1914 and 1914 for Toronto and Montreal to Tolyo and Head world. As for Milan, a 1984 policy statement by the then Liberal government gave CP Air the rights to southern Europe. Italy is nouthern Europe and Milan is in Italy.

But Jean Marchand, a man not easily understood in the west at the best of times, says it was a mistake to give CP Air the rights to Italy in the first place and it would be unfair now to give the carrier both Milan and Shanghah. He maintains that competition between Canada's two main carriers or new international routes is caussing division in the country and the Liberal cabinet.

In fact, until Mr Marchand spoke out, there was no real

for new international routes is causing division in the country and the Liberal cabinet.

In fact, until Mr. Marchand spoke out, there was no reaffeeling in the west about the matter at all. It was presumed that Ottawa would follow both logic and stated policy and ward the routes to CP Air.

Now, westerners are becoming increasingly suspicious they are going to get another raw deal from Eastern Canada—and that CP Air will be given Chain route which won't make money for at least 15 years, while Air Canada will get Milan which will be highly lucrative from the arm of the work of the work of the country of the countr

The whole situation is infuriating executives of CP Air vice they are already discriminated against by the federal government.

In an intervew, CP president John Gilmer made the case that the control of the control of the case of the control of the case of t

# Russia bares her peek beneath clouds of Venus

MOSCOW (AP) — Some sunlight does penetrate the dense, seelbing clouds shrouding Venus, and the planet's surface has granite rocks similar to those on earth, Soviet newspapers said Sunday.

The papers carried a detailed summation of data from the flight of Venus 8, which parachuted through Venus's clouds July 22, made a soil landing and transmitted radio signals for 50 minutes from the planet's sizzling surface.

"The key question during the landing of the station Venus 8." the summation said, "was whether the sunlight reaches the surface of the planet or whether it is absorbed completely by the atmosphere and the clouds."

The article said a photometer aband the landing capsule received data "from the beginning of the descent to the touchdown."

tou-hoom."
"This unique data," the report continued, "would allow us to conclude that a certain amount of solar rays in the visible nart of the spectrum penetrates to the surface of the planet. The report added, however, that "the Venutina atmosphere considerably weakens the sunlight" the further it penetrates the atmosphere, which is about 75 per cent carbon dioxide, two per cent nitrogen and the rest oxygen, water vapor and ammonia.



Photo by Walter Jackson

scenes like this one on River Canard at the 5th Concession in Anderdon soon won't be with us. Already the leaves are leaving, the nights are getting cooler, and there won't be much activity in the bar.

# There's a new **Ice Age** coming!

NORWICH. England (AP) — A new Ice Age is creeping over the Northern Hemisphere, and the rest of this century will grow colder and colder, a British sepert on climate says. Prof. Hibbert Lamb, director of climate research at the University of East Anglia, had a few comforting thoughts in an interview Smaday.

University of East Anglia, had a few comforting thoughts in an interview Sunday:

"The full impact of the new Ice Age will not be upon us for another 1,000 years and even then it will not be upon us for another 1,000 years and great glacial period.

"We are past the best of the inter-glacial period which happened between 7,000 and 3,000 years age," he continued. "Ever since then we have been on a downhill float regarding temperature. There may be a few upward fluctuations from time to time but these are more than offset by the general downward trend."

Lamb said temperatures, have been slowly dippling for the last 30 years.

"We are on a definite downhill course for the next two centuries." he said. "The last 30 years this century will be progressively colder. After that the climate may warm up again but only for a short period of decades."

Lamb said climate changes come in cycles determined by astronomical and physical factors. He said one main cause is the amount of radiation received from the sun.

"We know that the behavior of the sun changes at intervals and these changes have their effect," he said. "The distance between the earth and the sun also varies through the ages as the earth's arbit increases or decreases its elliptical path.

"The tilting of the earth as it rotates around its own axis

also makes the polar ice cap grow, and this affects the air masses around it."

also mines use. The masses around it."

The last great ice age took place about 60,000 years ago and was the sixth in a period of about one million years. The great ice sheets covered most of the British Isles and North America. The ice was at least 30,000 feet thick.

"I don't think it will be quite as serious this time." Lamb said. "But there will be a lot of glaciers on high ground which do not exist at present."

## India raked by cyclone

NEW DELHI (AP)—A cyclonic storm accompanied by torrential rains slashed through four coastal districts of orliss State in eastern India Standy, leaving a trail of death and destruction. official reports reaching here said.

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# An army of voters with no say

By PETER CALAMAI - SNS

OTTAWA — The diplomat was furious.

It wasn't bad enough that he, a Canadian ambassador, ouldn't vote in the federal election.

He'd just found out that his chauffeur—an army cor-oral—could vote under the special arrangements for Armed

He'd just found out that his cantuctur—an army cor-poral—cuid wote under the special arrangements for Armed Forces personnel.

The ambassador burned up the wires to Ottawa. And the only consolation he received was that several lundral army of distranchised voters.

The short-changed citizens were verywhere: fishermen and sailors on the high seas; ordinary citizens working or vaccitioning outside the country or in a country of the country of the country of the season of the light of the country of the country of the country of the light of the country of the country of the country of the light of the country of th

vacationing outside the country or in remote locations; anyone unexpectedly stuck in hospital or awaiting trial in jail.

Many have now gained their voting rights for the first time because of changes in the elections act, including the first use of proxy ballots in a federal general election.

But the remaining gaps in Canada's election machinery—which pass unmentioned in Liberal party publicity extolling the wider voting rights—mean there's still a faire-sized batalition of disfranchised.

Ironically, the group that gains the most from the modernization of the election act is still the big loser: the students.

Jean-Mare Hamel, chief electoral officer, estimates as least left out of the action of 0ct. 30.

Swelling these ranks are the legions of Canadians either living and working overseas or leaving the country before Oct. 21, the date of the first advance poil.

The only people outside Canada who can vote are civil servants, members of the Armed Forces and the dependents of both categories. Numbering an estimated 102.00, they'll vote from Oct. 16 to 20 to allow time for their ballots to reach Canada. be sorred into ridings and amounced, for the first time, simultaneously with the regular election-night returns. And that means you must be able to provide oil. That's no trouble with civil servants or members of the armed forces: their employer—the government—issues orders that everyone being posted out of the country must fill in the necessary forms.

But it would be tough to make those same rules stick with ordinary citizens or private firms, says Mr. Hamel.

Passports are out as a method of control on several counts: some countries don't require them from Canadians and the holder's home address is not initially verified or double-checked during the live year valid period for the passport.

So a parliamentary communities studying updating of the election machinery came up with the next best thing—proxy ballots.

Although this is the first time proxy ballots have been widely used in a federal general election

hallots.

Although this is the first time proxy ballots have been widely used in a federal general election, similar systems have been used in Nova Social and Ontario provincial elections. A type of proxy ballot was cast in the 1933 federal election by the wives of about 10 Korean prisoners of war and the new system has been employed in a half-dozen federal pelection size in the 1933 federal pelection size in the 1933 federal beplections size for a size of the 1934 federal pelection by the 1934 federal for proxy Only three classes of the 1934 federal federal pelections are discussed in the 1934 federal pelection and full-time students at an educational institution in Camada.

The rules appear simple, although there's at least three forms which must be filled out before any proxy ballots are cast:

forms which make we three categories and roust not be able to vote in the advance polls on election day;

—Both the elector and his would-be proxy—who need not be related, or even a friend—must be on the voters list in the same electoral district:

—So the me must anoly in person before the returning

-One of the two must apply in person before the returning icer in their electoral district to receive the proxy cer-

Griffier in their electoral district to receive the proxy certificate:

—If the elector is a student his application to appoint a proxy must be accompanied by a statement from his school routines are companied by a statement from his school routines are companied by a statement from his school routines are companied by a statement from his school routines are completed school and the proxy voter cannot have been appointed proxy voter for another elector.

All these conditions must be fulfilled—and the proper forms completed—before 10 pm. on Friday, Oct. 27.

Mr. Hamel wants to play this first proxy ballot exercise fairly cautiously and has issued strict instructions to the 24 returning officers across the country aimed at heading off potential abuses.

He feels his biggest headache will be with students who—fit he letter of the law were strictly enforced—should be enumerated at their parents address because they arent really living on their own finances at university. For many students, this procedure would mean surrendering their vote being enumerated at the school redidences.

Mr. Hamel has suggested that graduate students be employed as caumerators in university districts to explain the law to their fellow students.

## From refrigerators to super markets the living standard is rising

# New age finally dawning for Greenland's Eskimos

GOLDTHAAB, Greenland (AP) — You'll have to give up that ald joke about the smart salesman who sold a refrigeration as making.

In Greenland some Eskimos have refrigerators as well as washing machines, garbage disposal, a supermarkel around the corner. All were provided in low-rental apartment blocks built by e^\*-nsh e-rnment.

The Panish taxvayers have been spending \$100 million a years a named \$4.000 descendants of the Eskimos out of the Soon Age. And little Demmark, with only five millio; ec.pe . .nns to pay out that amount every year until 1985.

The government's intention is that the Greenlanders will have a standard of living comparable to that of their fellow

Man first came to Greenland about 4,000 years ago. Its Scandinavian links go back 1,000 years to the landing of the Norsemen led by Erik the Red on the southern tip. Erik gave it the misleading name in the hope of attracting other set-

at the misteading name in the hope of attracting other sel-lers.

Greenland is the world's largest island. Its 840,000 square miles make it more than two times the size of Ontario. All except one-sixth of the area is permanently under an iceapa nearly two miles thick. Danes like to frighten visitors with the calculation that if the ice melted the oceans would rise 24 feet

Only the 24,000 miles of coastal fringe is habitable. Ever here human existence can be precarious with temperatures

Only the 24,000 miles of coastal tringe is habitable. Even there human existence can be precarious with temperature as low as 94 degrees below zero in the north and wild gales in the south during the six months of winter. Until 1835 Greenland was virtually closed to the outside world, to protect the Eskimo culture. Then it was proclaimed an integral part of the Kingdom of Demmark. Policies had to change when it became obvious Greenlanders could no longer exist in the traditional way as hunters of seal, whalvs, polar bear and arctic birds from sealskin kayaks.

One in three Greenlanders died of tuberculosis and the life expectation was 32 years. Tuberculosis now has been conquered.

sful health program brought about a population

A successful health program brougnt about a population, in 1922 the population was 21,000. Now it is 48,000, including about 7,000 people from Demmark.

An enormous modernization program was needed to provide work and housing. The lishing fleet was expanded, vide work and housing. The lishing fleet was expanded, townships with ice-free harbors.

The Danes cheerfully shouldered the cost, although there is criticism of methods. Moving of people trom hunting settlements to towns is controversal. Liproted from their traditional ways, many Greenlanders fell for the temptations of civilization. Alcoholism and veneral disease are problems and there has been an increase in crime.

# International Team of Specialists Finds No End in Sight to 30-Year Cooling Trend in Northern Hemisphere

An international team of specialists has concluded from eight indexes of climate that there is no end in sight to the cooling trend of the last 30 years, at least in the Northern Hemisphere.

## The New Hork Times

Published: January 5, 1978 Copyright © The New York Times

<u>International Team of Specialists Finds No End in Sight to 30-Year Cooling Trend in Northern Hemisphere – View Article – NYTimes.com</u>

"Equipo internacional de especialistas no ve el final a la tendencia de 30 años de enfriamiento en el hemisferio norte"

THE ICE
AGE COMETH

Some scientists believe a new los Age is on the way. Others insist that it has already begun and they have marshalled some chilling facts to support their argument. All in all, the prospects are enough to make your blood run cold as you'll discover in tornorrow's Sun-Herald.

The Canberra Times - May 31, 1975, p.5

# Weather Forecast For the Future:?

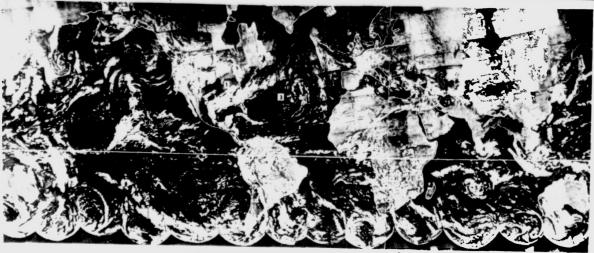
By ALAN ANDERSON Jr.

A number of climatologists, whose job it is to keep an eye on long-term wer ther changes, have lately been predicting deterioration of the benign climate to which we have grown accustomed. They point to signs both great (a steady global cooling trend since World War II) and quaint (the southward retreat from Nebraska of the warmth-loving armadillo) to support their claim that the coming years will feature colder, more erratic weather. Some recent warnings, from reputable researchers in Japan, Europe and the U.S., have so worried pol.cy-makers that last January certain scientists at a meeting of the National Academy of Sciences proposed the evacuation of some six million people from their parched homelands in the Sahel region of Africa.

years, they were battered flooding, midsummer droug ly frost. The harvest of co (corn, oats, barley and rye 187 million tons in 1973 to tons in 1974, Food supplies creased only a little by exp and sea harvests. Most of tillable land is already un tion, and fish and shellfish being hauled in at rates ne of replacement. "A maje change," reports a panel of al Academy of Sciences, " economic and social adjus worldwide scale."

Food shortages in themse a complete surprise; some experts have been predulargely on the basis of growth, since the time of N the idea that such shortage caused by deteriorating cliritively new —and far mor

Lakeland Ledger - December 29, 1974 p.48



A 1965 satellite photo showing the first complete view of the world's weather. Clear air (1), a rainy frontal zone (2), a low press re zone (3), tropical storms (4, 5), and a typhoon (6).

# **Views**

Views

Weather Forecast
For the Future:

The part American State of the control o

# Climatologists Forecast Stormy Economic Future

By JAMES P. STERBA Special to The New York Times

ALBUQUERQUE, N.M.—It was supposed to have been just a brief chat. Nelson Bunker Hunt is a busy man. But the Dallas man, who is a millionaire many times over, became so intrigued with what Iben Browning had to say about climate shifts that he spent the whole day listening.

"The ramifications of what he says are pretty startling," said Mr. Hunt. "I never thought about climate before, but now I think about it all the time."

A lot of other people are doing the same. The weather seems to have gone berserk lately. The tennis courts at Wimbledon in England have not been as parched since the 1920's. The same is true for croplands in northern France, the Soviet Union, Minnesota and the Dakotas. It's so dry, brush fires have started several weeks early in California, and water is being rationed.

As a result, Dr. Browning and other previously ignored climatologists are getting a lot of attention. Projections that they made years ago appear to be coming true.

They believe that the earth's climate has moved into a cooling cycle, which means highly erratic weather for decades to come. And that, they say, has profound implications—most of them bad—for world food production, economic stability and social order. With the world's population now so high, the results of even minor year-to-year shifts in climate could be catastropihe, they say.

## **Skeptical Scientists**

Some scientists think all that is nonsense, mainly because climatologists can offer no scientific proof to back up their theories. If meteorologists, using sophisticated computers, can forecast weather only a day or two in advance, they ask, how can climatologists project climate years ahead?

"It's interesting," said one skeptical scientist, "But some of their stuff is right out of fantasy land."

However, big investors and intelligence analysts are paying serious new

Continued on Page B9, Col. 2

<u>Climatologists Forecast Stormy Economic Future – Climatologists Forecasting Dire Effects</u> of Weather on World Economy and Social Order – View Article – NYTimes.com

Dr. James D. Hays of Columbia University, leader of the scientific team, called

But a moderate cooling trend has already begun, Dr. Hays said, adding:

"If you project the relationship between the orbits and the climate in the future, this cooling trend should continue for on the order of 20,000 years. In that length of time I think there is not much doubt that we will build substantial ice on the Northern Hemisphere continents."

# The New York Times

Published: November 30, 1976 Copyright © The New York Times

<u>ICE AGES ATTRIBUTED TO EARTH ORBIT SHIFT – Scientists Find Periodic Changes in</u> Path Around Sun 'Positive Test' of Climatic Theory – View Article – NYTimes.com

"...una tendencia al enfriamiento moderado ya ha empezado. .."

"esta tendencia al enfriamiento debería continuar durante 20.000 años"

# Believe new ice age is coming

By GLENN D. EVERETT Times

Washington Correspondent
WASHINGTON — The warm
days of spring may be coming,
but those gloomy fellows are
back again who warn us that
we'd better enjoy it while we
can.

A group of scientists meeting under auspices of the National Science Foundation have again come up with a warning that the world may be nearing the end of the present inter-glacial period and that the Arctic ice sheet has begun what may prove to be another relentless advance over northern North America and Europei

The last glacier covered what is now Williams County with a sheet of ice that may have been as much as one mile thick at its height.

Further, it was the fourth consecutive glacial period in less than a million years, to leave its indelible record behind.

The 46 scientists who gathered at Brown University, Providence, R. I., for a symposium on "The End of the Present Interglacial" agreed that there is evidence of an ominous world-wide cooling of temperatures in the past two decades.

maximum warmth between glacial ages have been short, according to his studies - less than 10,000 years long.

"This conclusion is of immediate concern," he declared, "because the present warm interval has already lasted close to 10,000 years."

Prof Emiliani and several of his associates presented evidence that world temperatures reached a peak about 6,000 years ago, which was just about the time the last vestiges of the glacier melted away from the Great Lakes basin.

Dr. J. T., Andress of the University of Colorado said that the Arctic has been getting cooler since the 1940's and that year-round snowbanks now cover areas of Baffin Island that were free of snow in the summer when the island was first explored.

A visiting scientist, Prof. Vojen Lozek of the Czecholsvak Academy of Science, said his study of a temperature-sensitive warmth-loving snail shows that its range is moving steadily southward in the central European mountains.

Dr. Herbert E. Wright, Jr., of the University of Minnesota said hardwood forests are beginning to intrude on the the earth enough to start the glaciers on the move.

Others feel that volcanos which expel great clouds of dust into the atmosphere cut down on solar radiation enough to trigger the process.

All agree that the termperature of Mother Earth is so delicately balanced that only a small shift, as little as 4 degrees Centigrade, or 7 degrees Fahrenheit, can start the ice build-up.

Once started, the process becomes a vicious cycle. When areas that are now green in summer become covered permanently with snow, then a lot more of the sunlight is reflected back, and the ground absorbs less heat. This cools the area further and the snow line gradually extends farther and farther south.

The same is true with ice in the sea. And the scientists noted; that the pack ice between-Iceland and Greenland is much more of a handicap to navigation than it was a few years ago.

One comforting thought is offered: As the ice builds up and covers the land, more of the world's water supply is trapped in that ice and sea level drops. Areas, now account here



Some people MAKE thinks happen By things they plan and do, While some just LET things happen: Which kind, my pet, are you?

## The Lighter Side

The Lighter Side

By DICK WEST

WASHINGTON (UPT)—
Here are after the that may be he Ip full to consumers participating in the 'April Fool Consumers against high prices.
—Mealless meals will be more enjoyable if suitable substitutes are served. One good meat substitute is the hot was a consumer of the consumers of the consumers



# Looking Back

By Mary Allen

By Mar

30 Years Ago
March 31, 193
Tatlesing, Carl
Due to gasaline Ad, 194
Tatlesing, Carl
Trau, who has operated a Gull Ol Company
service station at Mulberry and Main Streets
since 1931, has retired from the business.
Bryan youths who were accepted at Toledo
for Army service are Edward Loveley. Don
Anapaugh, Robert Hanna, Richard
Bluchinson and Robert Hart.
Butchinson and Robert Hart.
North Africa.
Pvt. Okley Gunter was promoted to the
rank of technical sergeant, 4th grade, at
Camp Van Dorn, Miss.
Richard Bailey has left this country for
one of the fighting fronts, where he will
serve as a gunner in a bomber crew.
Four Williams Quanty men have been
Four Williams Quanty men have been
service and the service of the s

The Bergman Grocery at 617 South Main Street, one of Bryan's popular stores, is cleaning the 77 years of continuous business. Global grade of years of continuous business. Kunkle's Restaurant on South Main Street in the building formerly occupied by the Peerless Bakery. The special opening day menu includes chop suey, rice, chow mein moodles, soliad, hot rolls, ice cream and coffee or tas, for 25 core tas, for

Comes The Next Revolution

Commes The Next Revolution

By JOHN P. ROCHE

At the 1946 Democratic National Convention in 1946

The control co

# Problems From Climate Changes Foreseen in a 1974 C.I.A. Report

HOUSTON, Jan. 31—In August 1974, researchers at the Central Intelligence Agency completed a classified 36-page working paper, entitled "A Study of Climatological Research as It Pertains to Intelligence Problems." In it they reported, "Leaders in climatology and economics are in agreement that a climatic change is taking place and that it has already caused major economic problems throughout the world."

"The new climatic era brings a promise of famine and starvation to many areas of the world," the C.I.A. study said. "The resultant unrest caused by the mass movement of peoples across borders as well as the attendant intelligence questions cannot be met with existing analytical tools."

Since then, the economic, social and political disruptions caused worldwide by energy shortages have been well documented. The drain on world oil and natural gas reserves, and the attendant price rises, have caused economic hardship around the globe. Unusual weather patterns have exacerbated those hardships.

<u>Problems From Climate Changes Foreseen in a 1974 C.I.A Report – View Article – NYTimes.com</u>

# CENTRAL INTELLIGENCE AGENCY

# DIRECTORATE OF INTELLIGENCE OFFICE OF POLITICAL RESEARCH

August 1974

and hence less rain. Inland on the Eurasian and other large land masses, north-south swings of the polar front (the edge of the great polar air mass) will tend to dominate the weather picture more than in the recent warm period.

--China would be hit by both cooling in the north and monsoon failures in the south.

Moreover, in periods when climate change is underway, violent weather--unseasonal frosts, warm spells, large storms, floods, etc.--is thought to be more common. The change itself would not be smooth, and even if the drop in temperature were slow, the disruptive effect of violent weather on crops might be considerably more adverse than mere cooling. But

Potential Implications of Trends in World Population. Food Production, and Climate

The main temperature change seems to be in the summer, where mean arotic temperatures have dropped 0.5° C. (nearly 1° P.) giving an increased pole to equator gradient of 0.1° C. (almost 0.2° F.) per 1000 kilometers. This would, according to the theory, lower the latitude of the sub-tropic high by more than 30 miles.

From about 1945 we have been returning to a time when polar air is more dominant, a time more like the period from A.D. 1200 to 1400 and from A.D. 1600 to 1900. The average temperature of the Northern Hemisphere has declined nearly as much as it rose in the first part of our century. The growing season in England has diminished by two weeks. The frequency of droughts in northwest India has begun to increase. The Soviet Union is experiencing successive years of trauma in its agriculture.

Climatic theory is not now sufficiently developed to give a definitive prediction of what the immediate future holds for us—in fact, whether this cooler regime will continue. However, the records show that such coolings in the past millenium lasted not less than 40 years, nor has the hemispheric climate returned to the original state in less than 70 years. Thus, it would appear that the coming decade will be either like the last few years, or cooler. It will not be like the unusual 1931-1960 warmer period.

The last few years saw the following: In 1972 and in 1974 crop losses caused by climate, weaker monsoons in India, a monsoon failure in West Africa, drought in the Soviet Union, and climatic abnormalities that shook and are shaking the confidence of North American agriculture.

...That's the News. And Now for San Juan's Weather ... - View Article - NYTimes.com

# Science

# Worrying About a New Ice Age

# The New Hork Times

Published: February 23, 1969 Copyright © The New York Times

<u>Science – Worrying About a New Ice Age – View Article – NYTimes.com</u>

# Geologist Says Winters Getting Colder

By RICK VAN SANT CINCINNATI (UPI) — You may as well get used to the bitter cold weather now plaguing much of the nation because winters are going to get colder

gradually throughout your lifetime, a geologist says.
"It doesn't look good, not in our lifetime, and it's going to

be even worse for future generations," said Madeleine Briskin of the University of Cincinnati, who specializes in researchinglong-rangeweather

cycles.

"We're entering a 'Little Ice Age' and it's my opinion we could have glaciers moving into the northern part of America in i,000 years." While the thought of a glacier possibly swallowing Cleveland 10 centuries from now is worth pondering, most people are more interested in knowing if they're going to shiver through winters the rest of their lives.

"Generally, in the immediate future we're going to have more severe winters and cooler summers," Ms. Briskin said. "There probably will be some variation — it might get slightly warmer one winter — but we should not be deceived by these variations. Overall, it's going to get colder."

Ms. Briskin says nothing has gone "wrong" with the weather, it's just that we happen to be living during a cold cycle. "Research has shown there are repetitious cycles of weather, so extremely cold winters are not unusual, it's just another cycle coming around.

"Temperatures rose from the turn of the century until around 1940 when the cycle began to reverse. Now we're having less arctic ice melt and we're having a systematic displacement of arctic air southward."

As a result, winters not only will be colder, but longer, Ms. Briskin said.

"We're getting to the point where we may start losing a month of so-called autumn weather," she said. Although there are several theories on what controls overall weather cycles, Ms. Briskin believes astronomical variations relating to the orbit of the earth and the tilt of the axis are the "ultimate causes."

"Even though the theories on the cause may vary, almost all my colleagues agree we're entering a cold phase," added Ms. Briskin. "Coupled with energy problems and dwindling natural resources, this colder weather could create a really tragic situtaion unless people become aware of it and something is done at the government level."

Middlesboro Daily News - January 16, 1978

"Geólogo dice que los inviernos se están volviendo más fríos"



# Geologist Says Winters Getting Colder



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# H&R BLOCK

Caffeine only part of story

HEALTH

Lawrence E. Lamb, M.D.

Ry Lawrence Lamb, M. D. DEAN EM. LAMB — 1
have been using two different decaffeniated brands of coffee. Recently, a friend told me that when the control of the control of

The second of th

Hanes Sheer **Sensation Sale** 

Start off your new year right with this bargain blizzard on famous Hanes\*hosiery.









Everyday<sup>3</sup> PANTYHOSE Regularly \$1.95 NOW ONLY 1.60

Cantrece Stockings
Regular \$1.75 Now \$150
Regular \$3.95 Now \$325

All \$300 Pantyhose Now \$250

Get your Winter Hosiery Now. Sale lasts January 13th-21st. In our Hosiery Department.





# Little Ice Age Predicted For Britain

LONDON (UPI) — Hubert Lamb, an official long-range weather forecaster, said Wednesday Britain may be heading for a "little ice age."

Lamb, a member of the meteorological office team that produces Britain's monthly weather forecasts, wrote in the magazine Discovery that records going back to the year 800 indicate the weather has an 800-year cycle.

He said after the 12th century the weather deteriorated and reached its worst in the 16th century, when most of Europe suffered from harsh winters and wet summers. In the 17th century it began to warm up and reached its best about 1900.

The past two cold winters may be the first signs of another long-term decline in Britain's usually mild climate, he said.

The Deseret News - January 30, 1964



# **Bloodless Coup Ousts** Viet Nam Army Junta

Ranger On The Way

# U.S. Parks, Restarts Moon Probe

# **General Acts To Halt** Plot For 'Neutralism'

hinted the ousted junta members had been plotting with French agents to this end. Saigon Radio broadcast a decree signed by IT Victanases army generals and a large number of colonels, which said the youthful Khanh had replaced Maj. Gen. Duong Van Minh as chairman of the new junta and as head of state.

Premier Fired? Reliable sources said Nguyen Ngoc Tho, who had been the civilian prime minister of the provisional government set up in the wake of the overthrow of the Ngo Dinh Diem regime

It's Phenomenal

# By NORMAN GOLDSTEIN Associated Press Writer

DENVER (AP) - The Midwest is buried under unusually heavy snows. California goes through two winters of extreme drought, then is inundated by rain. The South shivers with unaccustomed cold.

Recurrent drought brings famine and death to areas of West Africa. India is soaked by floods: northern Europe battered by severe storms.

What's happening to our climate? Do such increasingly frequent extremes portend a new pattern? Are we headed for another ice age? Or trouble from a gradual heating of the Earth by mankind's industrial and agricultural activities?

One thing is indisputable: The world has been cooling off since World War II, something like one degree Fahrenheit. But that may be only a temporary swing in the climate.

Lawrence Journal-World – March 11, 1979

No charges in accident

# Experts assess world's changing climate

JCT [59]

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# SCIENTISTS AGREE WORLD IS COLDER

But Climate Experts Meeting Here Fail to Agree on Reasons for Change

By WALTER SULLIVAN

After a week of discussions on the causes of climate change, an assembly of specialists from several continents seems to have reached unanimous agreement on only one point: it is getting colder.

SCIENTISTS AGREE WORLD IS COLDER - NYTimes.com

"Científicos están de acuerdo; el mundo es más frío"

"...especialistas de varios continentes parecen haber conseguido ponerse de acuerdo en sólo un punto: se está volviendo más frío."

# SCIENCE DOCUMENTARY

# New ice age 'could be in our lifetime'

LONDON, Thursday (AAP-Reuter). — A new ice age could grip the world within the lifetime of present generations, Britons were warned yesterday.

The warning came in a major television documentary showing that international scientists have changed their minds about the speed with which the world's "weather machine" can change gear.

"The threat of a new ice age must now stand along-side nuclear war as a likely source of wholesale death and mistery for mankind", said science writer Nigel Calder, who compiled the program for the British Broadcasting Corporation.

Latest studies show that ice ages are much more frequent than scientists once thought—and the next one seems to be overdue. According to one theory, "Toronto, Leningrad and Glasgow ought by now to have disappeared under thick ice sheets".

There is also evidence that its onset could be dramatical-

Thursday ly sudden, a "snow blitz"

A new rather than the gradual spreading of glaciers, Mr Calder said.

The picture was complicated by a cycle of miniature ice ages.

Scientist Mr George Denton, of the University of Maine, had produced evidence indicating that the world was in fact already in the middle of such an age and that the warmer weather this century was freakish.

"The cooling of the northern hemisphere since 1950, and the dreadful droughts in Africa and India in the 1970s, may well be signs that we are feeling the effects of the little ice age again". Mr Calder said.

This heightened the risk of a big ice age.

"The next ice age is due soon and it can begin to bite suddenly. The new knowledge is so recent and ill-digested that the precise meanings of 'soon' and 'suddenly' are still rather vague. But the sense of the discoveries is that there is no reason why the ice age should not start in earnest in our life-times".

Possible trigger factors for a new-ice age could be a series of big volcanic eruptions flinging dust into the atmosphere, or an accumulation of man-made pollution, blocking the sun's heat.

Present international cooperation in meteorology was a hopeful sign that man might be able to alter the weather pattern in some way and meet the challenge of the ice.

WARSAW. Thursday, (AAP-Reuter). — Wolves were leaving the exposed upper slopes of the Carpathian mountains, said forest rangers, who predict a war winter for Poland. European bison were gathering into herds and bears were late hibernating, they said.

Move on N-arms

The Canberra Times - November 22, 1974, p.4

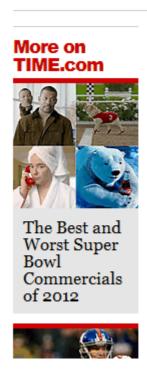


Time 1973: "El gran congelamiento"

Time 1979: "El enfriamiento de America"

# Science: Another Ice Age?

Monday, Nov. 13, 1972





The arrival of another ice age has long been a chilling theme of science fiction. If the earth's recent history is any clue, says Marine Geologist Cesare Emiliani of the University of Miami, a new ice age could become a reality.

Writing in Science, Emiliani reports that the earth has undergone at least eight periods of extreme cold and seven of torrid heat in the past 400,000 years. His conclusion is based on cores of ocean sediment from the Caribbean. Composed of the remains of tiny sea animals, the layered sediment provides a record of climatic changes. When the oceans warm up,...



Science

# **Another Ice Age?**

Monday, Jun 24, 1974

In Africa, drought continues for the sixth consecutive year, adding terribly to the toll of famine victims. During 1972 record rains in parts of the U.S., Pakistan and Japan caused some of the worst flooding in centuries. In Canada's wheat belt, a particularly chilly and rainy spring has delayed planting and may well bring a disappointingly small harvest. Rainy Britain, on the other hand, has suffered from uncharacteristic dry spells the past few springs. A series of unusually cold winters has gripped the American Far West, while New England and northern Europe have recently experienced the mildest winters within anyone's recollection.

As they review the bizarre and unpredictable weather pattern of the past several years, a growing number of scientists are beginning to suspect that many seemingly contradictory meteorological fluctuations are actually part of a global climatic upheaval. However widely the weather varies from place to place and time to time, when meteorologists take an average of temperatures around the globe they find that the atmosphere has been growing gradually cooler for the past three decades. The trend shows no indication of reversing. Climatological Cassandras are becoming increasingly apprehensive, for the weather aberrations they are studying may be the harbinger of another ice age.

Telltale signs are everywhere —from the unexpected persistence and thickness of pack ice in the waters around Iceland to the southward migration of a warmth-loving creature like the armadillo from the Midwest. Since the 1940s the mean global temperature has dropped about 2.7° F. Although that figure is at best an estimate, it is supported by other convincing data. When Climatologist George J. Kukla of Columbia University's Lamont-Doherty Geological Observatory and his wife Helena analyzed satellite weather data for the Northern Hemisphere, they found that the area of the ice and snow cover had suddenly increased by 12% in 1971 and the increase has persisted ever since. Areas of Baffin Island in the Canadian Arctic, for example, were once totally free of any snow in summer; now they are covered year round.

Whatever the cause of the cooling trend, its effects could be extremely serious, if not catastrophic. Scientists figure that only a 1% decrease in the amount of sunlight hitting the earth's surface could tip the climatic balance, and cool the planet enough to send it sliding down the road to another ice age within only a few hundred years.

## Calentamiento global

En 1990, Tom Karl y el IPCC mostraron que la Tierra era mucho más cálida hace 900 años, durante el período cálido medieval.



The IPCC Scientific Assessment

# Observed Climate Variations and Change

C.K. FOLLAND, T.R. KARL, K.YA. VINNIKOV

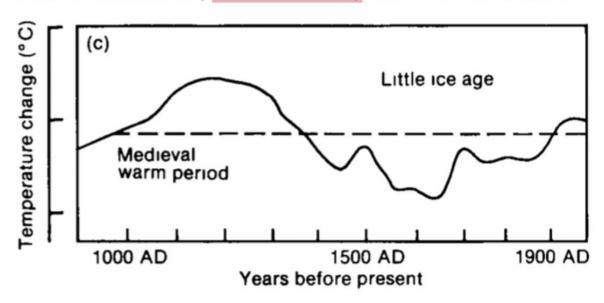


Figure 7.1: Schematic diagrams of global temperature variations since the Pleistocene on three time scales (a) the last million years (b) the last ten thousand years and (c) the last thousand years. The dotted line nominally represents conditions near the beginning of the twentieth century.

Pero en 1995, los científicos del clima habían tomado la decisión de "deshacerse" del inconveniente período cálido medieval (MWP, Medieval Warm Period).



#### U.S. Senate Committee on Environment & Public Works Hearing Statements

Date: 12/06/2006

#### Statement of Dr. David Deming

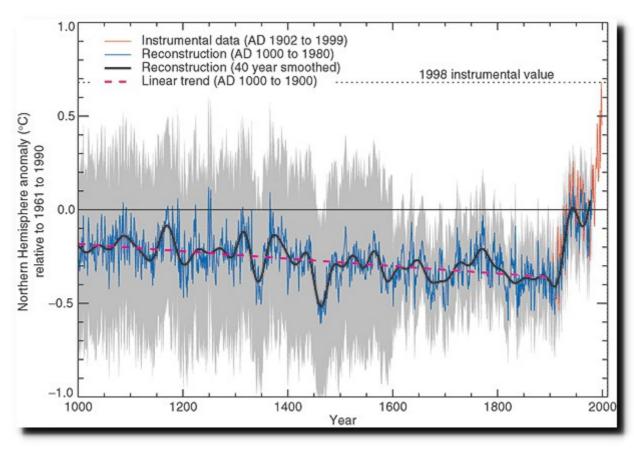
University of Oklahoma College of Earth and Energy Climate Change and the Media

Mr. Chairman, members of the Committee, and distinguished guests, thank you for inviting me to testify today. I am a geologist and geophysicist. I have a bachelor's degree in geology from Indiana University, and a Ph.D in geophysics from the University of Utah. My field of specialization in geophysics is temperature and heat flow. In recent years, I have turned my studies to the history and philosophy of science. In 1995, I published a short paper in the academic journal Science. In that study, I reviewed how borehole temperature data recorded a warming of about one degree Celsius in North America over the last 100 to 150 years. The week the article appeared, I was contacted by a reporter for National Public Radio. He offered to interview me, but only if I would state that the warming was due to human activity. When I refused to do so, he hung up on me.

I had another interesting experience around the time my paper in Science was published. I received an astonishing email from a major researcher in the area of climate change. He said, "We have to get rid of the Medieval Warm Period."

U.S. Senate Committee on Environment and Public Works

### En 2001, Michael Mann y el IPCC siguieron con sus planes, y eliminaron el MWP.



<u>IPCC Third Assessment Report – Climate Change 2001</u>

El informe de 1990 del IPCC también tenía datos satelitales detallados de la <u>NOAA</u> sobre el hielo del océano Ártico, que mostraban que la extensión del hielo marino del océano Ártico era mucho menor en 1973 que en 1979.

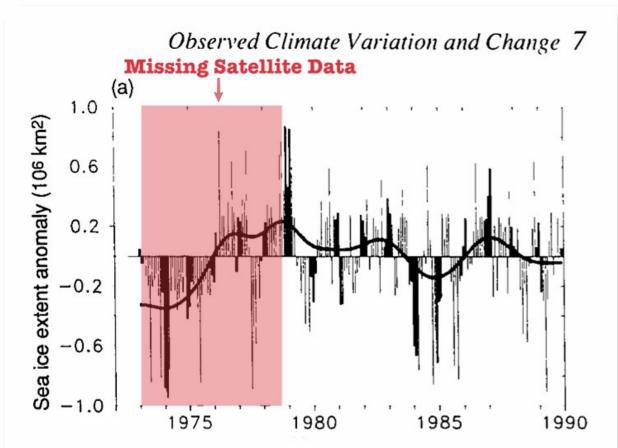
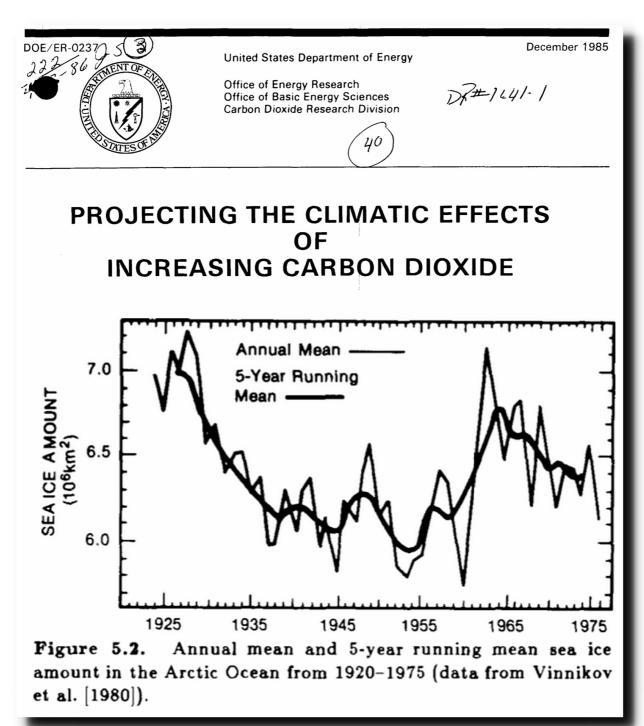


Figure 7.20: (a) Northern Hemisphere, and (b) Southern Hemisphere sea-ice extent anomalies. Data from NOAA (USA).

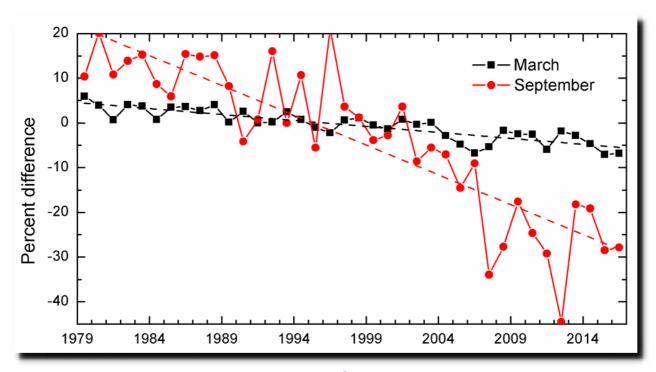
1990 IPCC Report

Científicos del gobierno también sabían en 1985 que la extensión del hielo del océano Ártico era muy inferior en los años 40 y 50 que en 1973.



<u>Projecting the climatic effects of increasing carbon dioxide (Technical Report) | SciTech Connect</u>

Los datos anteriores a 1979 sobre el hielo del océano Ártico eran muy inconvenientes, así que la <u>NOAA</u> simplemente los hizo desaparecer. Ahora empiezan sus gráficos justo en el "año pico" que fue 1979.



Artic Report Card 2016

En los 50 los científicos estaban bien informados de que la "delgada corteza" del hielo del océano Ártico estaba desapareciendo, y previeron un Ártico libre de hielo en una generación.

# The New Hork Times

SUNDAY, OCTOBER 19, 1958

## The Changing Face of the Arctic

Some scientists estimate that the polar ice pack is 40 per cent thinner and 12 per cent less in area than it was a half-century ago, and that even within the lifetime of our children the Arctic Ocean may open, enabling ships to sail over the North Pole, as the submarines Nautilus and Skate recently sailed under it. A ship bound from New York to Tokyo would save 2,500

Although the idea that a solid ice sheet covers the central Arctic has lingered stubbornly in the popular fancy, the northern cap of ice worn by our planet is actually a thin crust—on the whole, only about seven feet thick—over an ocean two miles deep in places.

The Changing Face of the Arctic; The Changing Face of the Arctic – The New York Times

Los científicos también estaban informados de que en 1970 el hielo del océano Ártico se estaba volviendo más denso y extenso.

# The New York Times

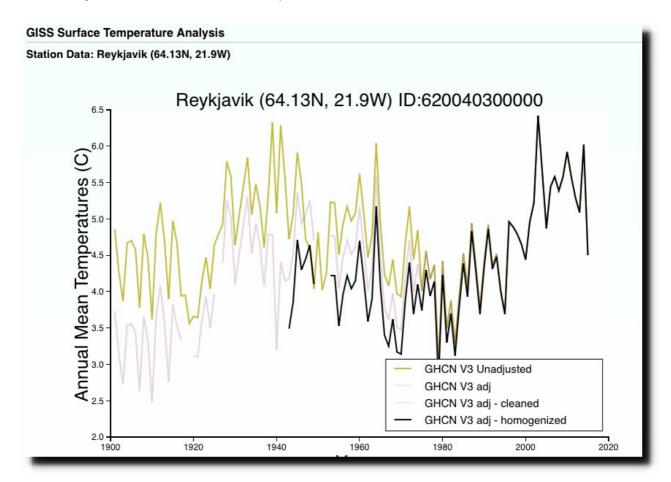
NEW YORK, SATURDAY, JULY 18, 1970

By WALTER SULLIVAN

The United States and the Soviet Union are mounting large-scale investigations to determine why the Arctic climate is becoming more frigid, why parts of the Arctic sea ice have recently become ominously thicker and whether the extent of that ice cover contributes to the onset of ice ages.

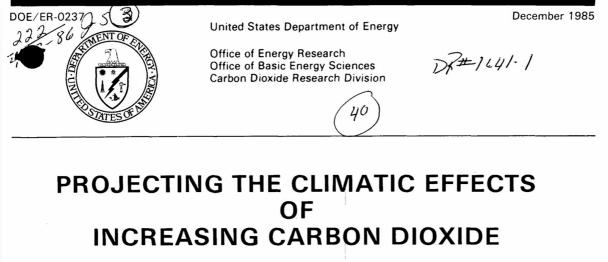
U.S. and Soviet Press Studies of a Colder Arctic - The New York Times

Este calentamiento previo y posterior enfriamiento en el Ártico era inconveniente, así que la NOAA y la NASA lo hicieron "desaparecer".



Data.GISS: GISS Surface Temperature Analysis

En 1985 Phil Jones en el <u>CRU</u> demostró un gran pico de calentamiento global alrededor de 1940, seguido de aproximadamente 0,5 grados de enfriamiento.



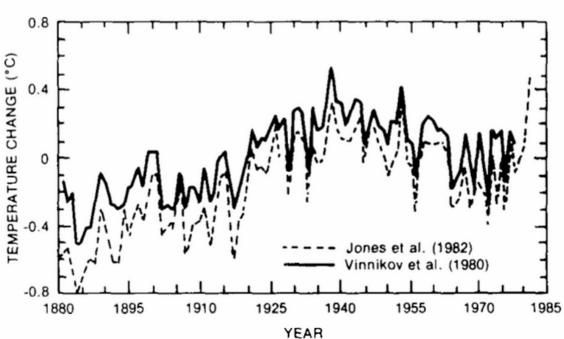


Figure 5.1. Annual mean surface air temperature anomalies from 1880-1981: (solid curve) Vinnikov et al. (1980); and (dashed curve) Jones et al. (1982). Figure from Weller et al. (1983), and includes points updated to 1981 by Jones.

<u>Projecting the climatic effects of increasing carbon dioxide (Technical Report) | SciTech</u>

Connect

El pico de los 40 fue un inconveniente para Phil Jones y el resto de sus compañeros, por lo que discutieron la manera de "deshacerse" de él.

From: Tom Wigley <wigley@ucar.edu>
To: Phil Jones <p.jones@uea.ac.uk>
Subject: 1940s

Date: Sun, 27 Sep 2009 23:25:38 -0600 Cc: Ben Santer <santer1@llnl.gov>

<x-flowed>
Phil,

Here are some speculations on correcting SSTs to partly explain the 1940s warming blip.

If you look at the attached plot you will see that the land also shows the 1940s blip (as I'm sure you know).

So, if we could reduce the ocean blip by, say, 0.15 degC, then this would be significant for the global mean -- but we'd still have to explain the land blip.

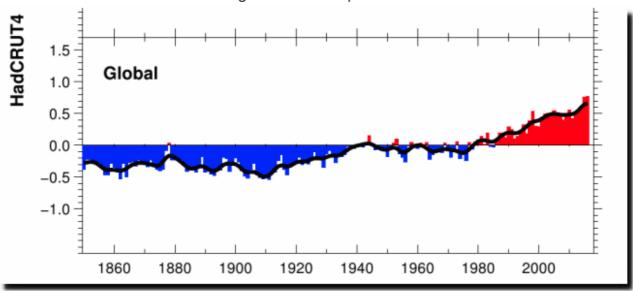
I've chosen 0.15 here deliberately. This still leaves an ocean blip, and i think one needs to have some form of ocean blip to explain the land blip (via either some common forcing, or ocean forcing land, or vice versa, or all of these). When you look at other blips, the land blips are 1.5 to 2 times (roughly) the ocean blips -- higher sensitivity plus thermal inertia effects. My 0.15 adjustment leaves things consistent with this, so you can see where I am coming from.

Removing ENSO does not affect this.

It would be good to remove at least part of the 1940s blip, but we are still left with "why the blip".

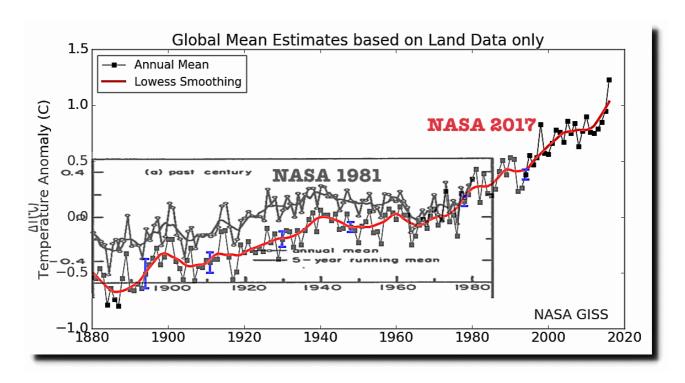
#### **Email**

Y eso hicieron. Han eliminado completamente el "inconveniente" de los 40 y posterior enfriamiento. Ya no existe en el registro de la temperatura.



https://crudata.uea.ac.uk/cru/data/temperature/HadCRUT4.png

La NASA también ha eliminado el inconveniente calentamiento de los 40 y posterior enfriamiento.

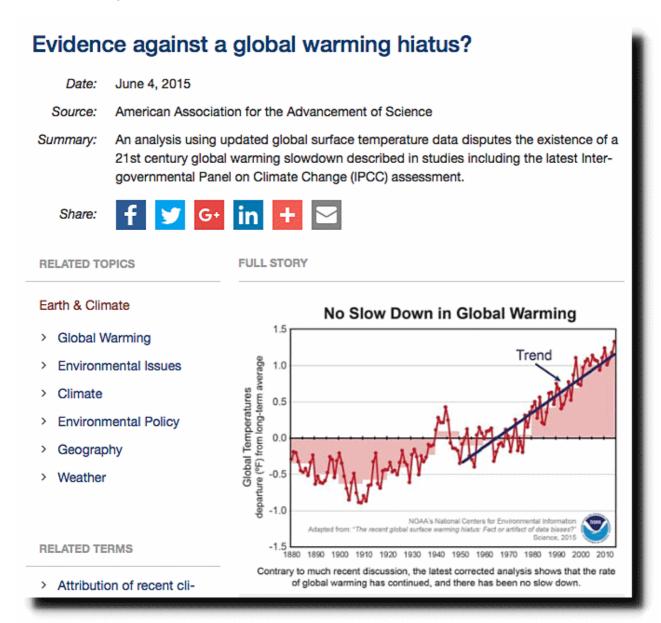


<u>1981 version</u> <u>2017 version</u>

### Science & Environment Global warming pause 'central' to IPCC climate report By Matt McGrath Environment correspondent, BBC News Share © 23 September 2013 | Science & Environment Pause in global warming Running nine-year trends in surface warming and upper ocean heat uptake. The recent slowdown in global warming is highlighted by the grey shading. Trend (°C decade) Land only Ocean only Land and ocean 0.6 0.4 0.2 0.0 -0.2-0.4-0.6 1900 1920 1940 2000 2020 1880 1960 1980

Global warming pause 'central' to IPCC climate report – BBC News

Esto era un inconveniente para la NOAA y la NASA, así que Tom Karl y Gavin Schmidt lo hicieron "desaparecer".



Evidence against a global warming hiatus? — ScienceDaily



#### There was no pause

Filed under: Climate Science Instrumental Record Oceans RC Forum — rasmus @ 22 January 2017

I think that the idea of a pause in the global warming has been a red herring ever since it was suggested, and we have commented on this several times here on RC: On how <u>data gaps</u> in some regions (eg. the Arctic) may explain an <u>underestimation</u> of the recent warming. We have also explained how natural oscillations may give the impression of a <u>faux pause</u>. Now, when we know the global mean temperature for 2016, it's even more obvious.

Easterling and Wehner (2009) explained that it is not surprising to see some brief periods with an apparent decrease in a temperature record that increases in jumps and spurts, and Foster and Rahmstorf (2012) showed in a later paper how temperature data from the most important observations show consistent global warming trends when known short-term influences such as El Niño Southern oscillation (ENSO), volcanic aerosols and solar variability are accounted for.

A recent paper by <u>Hausfather et al. (2017)</u> adds little new to our understanding, although it confirms that there has not been a recent "hiatus" in the global warming. However, if there are doubts about a physical condition, then further scientific research is our best option for establishing the facts. This is exactly what this recent study did.

The latest findings confirm the results of <u>Karl et al. 2015</u> from the National Oceanic Atmospheric Administration (NOAA), which Gavin described in a previous <u>post</u> here on RC. The NOAA analysis received unusual attention because of the <u>harassment</u> it drew from the chair of the US House Science Committee and the <u>subpoena</u> demand for emails.

Science is convincing because it builds on independent assessments, which either confirm or disagree with previous findings. A scientific consensus is established when many independent lines of evidence underpin the same conclusions.

There was no pause « RealClimate

Este fraude fue tan evidente que incluso el principal científico de la NOAA y el farsante de Michael Mann lo admitieron.

#### Climate scientists versus climate data

Posted on February 4, 2017 | 692 Comments

by John Bates

A look behind the curtain at NOAA's climate data center.

I read with great irony recently that scientists are "frantically copying U.S. Climate data, fearing it might vanish under Trump" (e.g., Washington Post 13 December 2016). As a climate scientist formerly responsible for NOAA's climate archive, the most critical issue in archival of climate data is actually scientists who are unwilling to formally archive and document their data. I spent the last decade cajoling climate scientists to archive their data and fully document the datasets. I established a climate data records program that was awarded a U.S. Department of Commerce Gold Medal in 2014 for visionary work in the acquisition, production, and preservation of climate data records (CDRs), which accurately describe the Earth's changing environment.

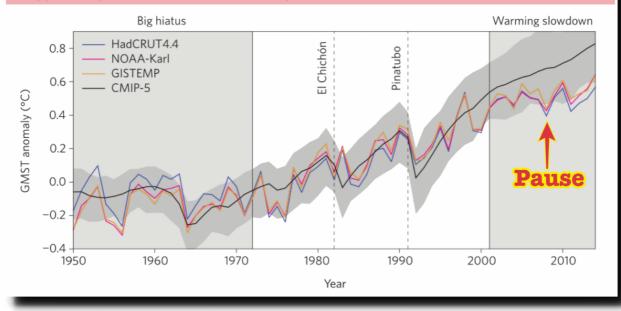
The most serious example of a climate scientist not archiving or documenting a critical climate dataset was the study of Tom Karl et al. 2015 (hereafter referred to as the Karl study or K15), purporting to show no 'hiatus' in global warming in the 2000s (Federal scientists say there never was any global warming "pause"). The study drew criticism from other climate scientists, who disagreed with K15's conclusion about the 'hiatus.' (Making sense of the early-2000s warming slowdown). The paper also drew the attention of the Chairman of the House Science Committee, Representative Lamar Smith, who questioned the timing of the report, which was issued just prior to the Obama Administration's Clean Power Plan submission to the Paris Climate Conference in 2015.

Climate scientists versus climate data | Climate Etc.

# Making sense of the early-2000s warming slowdown

John C. Fyfe, Gerald A. Meehl, Matthew H. England, Michael E. Mann, Benjamin D. Santer, Gregory M. Flato, Ed Hawkins, Nathan P. Gillett, Shang-Ping Xie, Yu Kosaka and Neil C. Swart

It has been claimed that the early-2000s global warming slowdown or hiatus, characterized by a reduced rate of global surface warming, has been overstated, lacks sound scientific basis, or is unsupported by observations. The evidence presented here contradicts these claims.



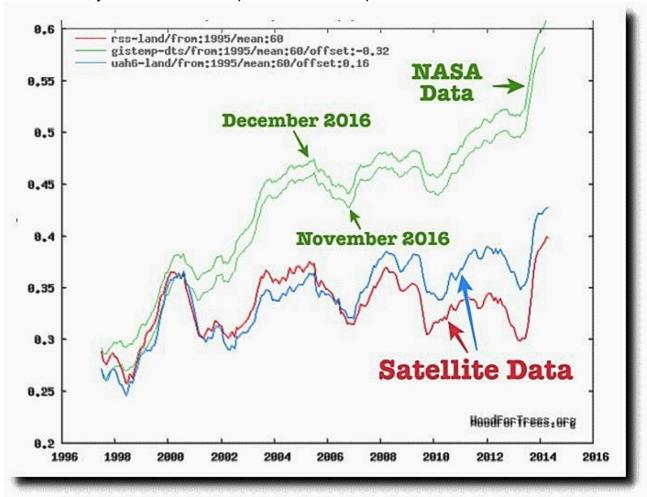
Nature Climate Change February 1, 2016

En 1990, la NASA determinó que las temperaturas que reportan los satélites eran más precisas que las de la superficie, y deberían ser adoptadas como su estándar.

The Canberra Times (ACT: 1926 - 1995) (about) 
Sunday 1 April 1990 | Global Warming A report issued by the U.S. space agency NASA concluded that there has been no sign that the greenhouse effect increased global temperatures during the 1980s. Based on satellite analysis of the atmosphere between 1,500 and 6,000 metres above sea level, the report said that the study found "a seemingly random pattern of change from year to year." While several government and university meteorologists around the world have concluded that average surface temperatures have increased significantly in recent years, the report's authors said that their satellite analysis of the upper atmosphere is more accurate, and should be adopted as the standard way to monitor global temperature change.

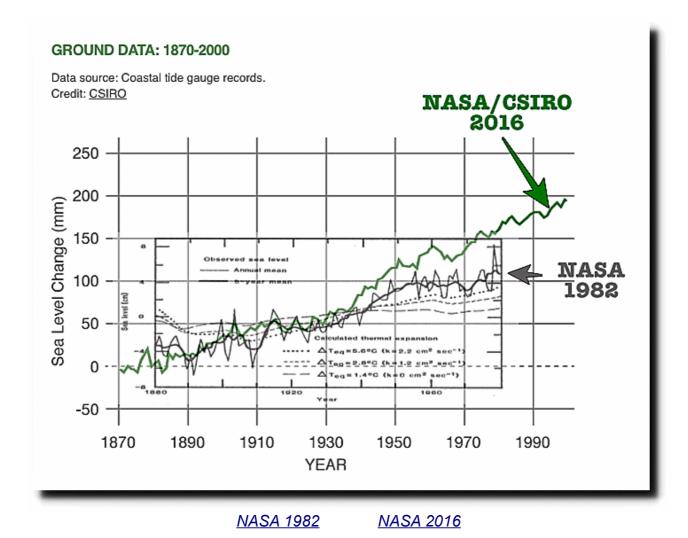
The Canberra Times - April 1, 1990, p.4

Los datos satelitales no dieron a la NASA la respuesta que querían, así que esta ignoró los satélites, y se inventó las temperaturas de la superficie.



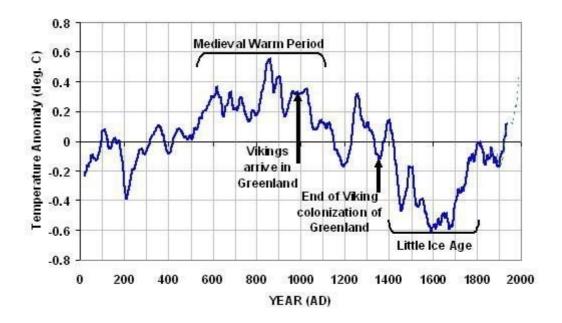
Wood for Trees: Interactive Graphs

El fraude no se limita a los datos de temperatura. En 1982, la NASA "de" <u>James Hansen</u> mostró que el nivel del mar dejó de subir después de medidados de 1950 durante 20 años. Actualmente la NASA ha borrado esta pausa, y lo ha convertido en una aceleración.



Esta es tan sólo una pequeña muestra del fraude climático que la NASA, la NOAA y el CRU están realizando en nuestras narices.

100% Predictable Fraud From Government Climate Scientists



Evolución de la temperatura a lo largo de los últimos 2000 años